

GOVERNMENT OF TELANGANA
ABSTRACT

Irrigation and CAD Department – Construction of Lift System with pump house with Metallic Volute pumps including Supply, erection, testing and commissioning of Electro – Mechanical & Hydro – Mechanical works with allied works, pressure main, delivery cistern, approach channel, gravity canal including construction of CM & CD works and Head Regulator from **Sundilla Barrage** to Sripada Yellampally Project to lift 160 TMC of water from Godavari River – Revised Administrative approval - Accorded - Orders – Issued.

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IRRIGATION AND CAD (Projects-IV) DEPARTMENT

G.O.Rt.No. 712

Dated: 19-05-2018

Read the following:

1. G.O.Rt.No.451, I&CAD (Projects-II) Dept. Dt.29-04-2016.
2. From the Engineer-in-Chief (Irrigation), Hyderabad, Lr.No.ENC(I)/DCE(1)/OT2/AEE20/KP Barrages & Lifts/ RE's/ 2018, t.30.04.2018.

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ORDER:-

In the reference 1st read above, administrative approval for an amount of Rs.2334.00 Crores has been accorded in respect of the work relating to Irrigation and CAD Department – Construction of Lift System with pump house with Metallic Volute pumps including Supply, erection, testing and commissioning of Electro – Mechanical & Hydro – Mechanical works with allied works, pressure main, delivery cistern, approach channel, gravity canal including construction of CM & CD works and Head Regulator from **Sundilla Barrage** to Sripada Yellampally Project to lift 160 TMC of water from Godavari River.

2. In the reference 2nd read above, the Engineer-in-Chief (Irrigation), Hyderabad has reported that during the course of implementing the Barrage works and Lifts works of Kaleshwaram Project many variations were encountered due to the following broad reasons.

- a) Locations of barrages "Sundilla and Annaram" had to be shifted, as much larger Land Acquisition would have been required at their original locations after detailed survey and study.
- b) The live capacity of the barrages especially Sundilla was coming lesser than the optimum requirement and the capacities of both barrages is worked out much higher at the new locations.
- c) The length of the barrages had to be changed as per the maximum flood discharge, afflux desirable and the width of the river at the revised locations.
- d) Changes in the approach and gravity canals under the lift systems consequent to the change in location of the barrages.
- e) Necessity for providing flood banks on either banks of Godavari near barrages to prevent submergence and flooding of fields and villages at F.R.L conditions and during maximum flood periods. This was not considered in the D.P.R proposals by the WAPCOS. Also diversions have become essential to prevent flooding in rainy seasons which has to be safely negotiated at all the barrages. The reduction in L.A. due to provision of flood banks is about 13,981 Acres and R&R issues in 12 villages.

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- f) Changes in the design requirements as per the site conditions and detailed engineering as per the required norms approved by the C.D.O (Central Designs Organization) involving foundations, RCC etc.,
 - g) Provision for draft tubes & connected embedded parts in the Pump Houses to facilitate future expansion of lifting capacity from 2 TMC to 3 TMC per day from the Pump Houses.
 - h) Increase in number of gates in the barrages due to increase in length and discharge requirements as per model studies of T.S.E.R.L
3. He further reported that all the detailed plans of barrages, flood banks, diversions and locations of approach and gravity canals, delivery cisterns etc, are finalized by the C.D.O (Central Designs organization) based on the ground details furnished by the Chief Engineer, Kaleshwaram Project, Karimnagar. He therefore, requested for revised administrative approval for an amount of Rs.2348.00 Crs in respect of the work.
4. The reasons for the revised cost of the Sundilla Lift System reported are mainly due to the following:-
- a) Decrease in earthwork quantity of forebay, and increase in earthwork quantity of pump house and rising main due to change in the slopes, increase in concrete quantity of forebay and pump house, decrease in steel as per the approved drawings of CE/TSGENCO.
 - b) Decrease in cost of delivery cistern and other civil works, increase in pressure main due to shifting of pump house location, increase in diameter and thickness of pipes, change in grade of steel from MS steel to special grade –II, increase pipeline civil work due to increase in length of pressure main by 140 Mts, provision of pipe encasement, decrease in Head regulator cost, increase in cost of gravity canal with CM& CD works including lining approach channel due to gravity canal length increased to 960 Mts from 150 Mts and increase in lining thickness and design discharge based on approved drawings of CE/CDO.
 - c) Increase in pump house Civil works due to provision of additional 5 draft tubes and gates arrangements for lifting of additional 1 TMC of water
5. After careful examination of the proposal, Government hereby accord revised administrative approval for the work relating to Construction of Lift System with pump house with Metallic Volute pumps including Supply, erection, testing and commissioning of Electro – Mechanical & Hydro – Mechanical works with allied works, pressure main, delivery cistern, approach channel, gravity canal including construction of CM & CD works and Head Regulator from **Sundilla Barrage** to Sripada Yellampally Project to lift 160 TMC of water from Godavari River for an amount of Rs.2348.00 Crores (Rupees Two Thousand Three Hundred and Forty Eight Crores Only), subject to the following conditions:
- 1) The Chief Engineer is responsible for the provisions made in the Revised Estimates and ensure that the provisions made are in accordance with IS codes and standard specifications.
 - 2) The Chief Engineer should ensure the correctness of quantities provided in the revised estimates.
 - 3) The Chief Engineer should ensure obtaining their recommendations/ approval -
(i) Placing the RE before Committee of CEs, (ii) Execution / entrustment of additional item as per specific codal provisions (6-(3) under para 154 of D code & other provision), (iii) Following of extant Financial codal provisions regarding expenditure.

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6. The expenditure shall be debited to the following Head of Account:

4700 - Capital Outlay on Major Irrigation
01 - Major Irrigation – Commercial
MH - 232 – Kaleshwaram Project
GH - 25 – State Sector Schemes
SH - 26 – Dams & Other Appurtenant works
530/531 - Other Expenditure.

7. This order issues with the concurrence of Finance (WP) Department vide their U.O.No.001874/133/WP/A1/2018, Dt.16-05-2018.

8. The Engineer-in-Chief (Irrigation), Hyderabad shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

**DR. SHAILENDRA KUMAR JOSHI
CHIEF SECRETARY TO GOVERNMENT &
SPL. CHIEF SECRETARY TO GOVERNMENT
I&CAD DEPARTMENT (FAC)**

To
The Engineer-in-Chief (Irrigation), Hyderabad
The Accountant General, Hyderabad.
The Director of Works and Accounts, Hyderabad.
The Assistant Pay & Account Officer, Peddapally.

Copy to:

The Chief Engineer, Kaleshwaram Project, Karimnagar.
The PS to Spl. Chief Secretary to Government, I&CAD Dept (FAC)
The Finance (WP) Department.
The PS to Hon'ble Minister (Irrigation).

// FORWARDED : : BY ORDER //

SECTION OFFICER